

# **ABSTRACT**

To transparently transport an incoming clock signal (CLK2) with a known frequency over a network segment wherein transmission between a transmitter (TX) and a receiver (RX) operates synchronous to a transmit clock signal (CLK1) and receiver clock signal (CLK1') which are synchronized, the transmitter measures the phase difference (P) between the incoming clock signal (CLK2) and a reference signal (R) obtained from the transmit clock signal (CLK1). The measured phase difference (P) is communicated to the receiver (RX) and used therein to generate a copy (CLK2).